

Attorney Docket No. 8325-0007.01 (S7-US2)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 10/6/05

By: Yang Tang

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of CASE et al.

Serial No.:

09/925,796

Examiner:

J. BRUSCA

Confirmation No.:

5123

Art Unit:

1631

Filed:

August 9, 2001

For:

FUNCTIONAL GENOMICS USING ZINC FINGER PROTEINS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(c)

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56, Applicant(s) hereby submits the following information in conformance with 37 C.F.R. §\$1.97 and 1.98.

- [] Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08A is enclosed.
- [X] No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. 09/395,448 to which the above-identified application claims priority under 35 U.S.C. §120.
- Publication(s) _____ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to ___ application serial no. _____ and mailed on _____.

	[]	of the l	M.P.E.P	opy of a non-English publication(s) Pursuant to §609, Applicant submits the attached foreign search or eport, which cites such non-English language publication(s).		
	[]	Enclos publica publica	ation	copy of a non-English publication(s) English language (copy enclosed) claims priority from this non-English		
	[]	Enclosed is an explanation of non-English publication(s) for which an English translation is not available.				
	[]			English translation of non-English publication(s)cited Form PTO/SB/08A.		
	[]	Enclos	sed is a c	copy of pending patent Application Serial No		
C.F.R.				closure Statement is filed after the period specified in 37 he mailing of:		
		[X]	a final	action under 37 C.F.R. § 1.113;		
		[]	a notic	e of allowance under 37 C.F.R. § 1.113; or		
		[]	an action	on that otherwise closes prosecution in this application.		
	In acc	ordance	with 37	C.F.R. § 1.97(c) also enclosed is:		
		[X]	Fee un	der 37 C.F.R. § 1.17(p) in the amount of \$180.00; or		
		[]	Statem	nent as specified in 37 C.F.R. § 1.97(e):		
			0	Each item of information contained in the Information Disclosure Statement cited herein was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or		
			[]	No item of information contained in the Information Disclosure Statement submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, having made a reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.		

Attorney Docket No. 8325-0007.01 (S7-US2) Serial No. 09/925,796 Page 3

It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: 043/03

Respectfully submitted,

Robins & Pasternak LLP 1731 Embarcadero Road, Suite 230

Palo Alto, CA 94303 Tel: (650) 493-3400 Fax: (650) 493-3440 By:

Dahna S. Pasternak Reg. No. 41,411

		_
1	+	- 1

120						
Sub	stitute for form 14	49 A /PT	0		Complete if Known	007
340	situte for form 1	.,,,,,,,,,		Application Number	09/925,796	7 2002
IN	FORMATIC	N DI	SCLOSURE	Filing Date	August 9, 2001	IFCU - COS
			APPLICANT	First Named Inventor	CASE	TOTT CHATED
31	AIBMENT	DI.	M I DICINI	Group Art Unit	1631	1600/900
	(use as many s	heets a	s necessary)	Examiner Name	J. BRUSCA	- 472901
Sheet	i	of	15	Attorney Docket Number	8325-0007.01 (S7-US2)	

			U.S. P.	ATENT DOCUMENTS	
		U.S. Patent	Document Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
Examiner Initials*	Cite No. ¹	Number	(if known)		
	A1	4,990,607		Katagiri et al.	02-05-1991
	A2	5,096,814		Aivasidis et al.	03-17-1992
	A3	5,096,815		Ladner et al.	03-17-1992
	A4	5,198,346		Ladner et al.	03-30-1993
···	A5	5,223,409		Ladner et al.	06-29-1993
	A6	5,243,041		Fernandez-Pol	09-07-1993
	A7	5,302,519		Blackwood et al.	04-12-1994
	A8	5,324,638		Tao et al.	06-28-1994
	A9	5,324,818		Nabel et al.	06-28-1994
	A10	5,324,819		Oppermann et al.	06-28-1994
	All	5,340,739		Stevens et al.	08-23-1994
	A12	5,348,864		Barbacid	09-20-1994
	A13	5,350,840		Call et al.	09-27-1994
	A14	5,356,802		Chandrasegaran	10-18-1994
	A15	5,376,530		De The et al.	12-27-1994
	A16	5,403,484		Ladner et al.	04-04-1995
	A17	5,436,150		Chandrasegaran	07-25-1995
	A18	5,487,994		Chandrasegaran	01-30-1996
	A19	5,498,530		Schatz et al.	03-12-1996
	A20	5,578,483		Evans et al.	11-26-1996
	A21	5,597,693		Evans et al.	01-28-1997
	A21	5,639,592		Evans et al.	06-17-1997
	A23	5,674,738		Abramson et al.	10-07-1997
	A23	5,702,914		Evans et al.	12-30-1997
	A24 A25	5,789,538		Rebar et al.	08-04-1998
	A25	5,792,640		Chandrasegaran	08-11-1998
	A26 A27	5,869,618		Lippman et al.	02-09-1999
	A27	5,871,902	_	Weininger et al.	02-16-1999
	A28	5,871,902		Winter et al.	02-16-1999
	A29	5,916,794		Chandrasegaran	06-29-1999
	A30	5,939,538		Leavitt et al.	08-17-1999
	A31 A32	5,972,615		An et al.	10-26-1999
		6,001,885		Vega et al.	12-14-1999
	A33			Choo et al.	12-28-1999
	A34 A35	6,007,988 6,013,453		Choo et al.	01-11-2000

Examiner	Date
Signature	Considered
Signature	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number.
 See attached Kinds of U.S. Patent Documents.

etype a plus sign (+) inside this box 🗲

OCT 1 7 2003

TECH CENTER 1800/2003

Substitute for form 1449A/PTO

Sheet

OCT 0 9 2003

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) of

Complete if Known 09/925,796 **Application Number** August 9, 2001 Filing Date CASE First Named Inventor 1631 Group Art Unit J. BRUSCA Examiner Name 8325-0007.01 (S7-US2) Attorney Docket Number

Examiner	Cite No.1	Foreign Patent Document			Name of Patentee or Applicant of Cited	Date of Publication	
Initials*		Office ³	Number ⁴	Kind Code ⁵ (if known)	Document	of Cited Document MM-DD-YYYY	T ⁶
	B1	wo T	95/19431	Al	The Scripps Research Institute	07-20-1995	
	B2	wo	96/06110	Al	Ariad Pharmaceuticals, Inc.	02-29-1996	
	B3	wo	96/06166	Al	Medical Research Council	02-29-1996	
	B4	wo	96/11267	Al	Deutsches Krebsforschungszentrum Stiftung Des	04-18-1996	
	B5	wo	96/20951	A1	Massachusetts Institute of Technology	07-11-1996	
	B6	wo	96/32475	A2	University of Washington	10-17-1996	
	B7	wo	97/27212	A1	Rigel Pharmaceuticals, Inc.	07-31-1997	
	B8	wo	97/27213	Al	The Board of Trustees of the Leland Stanford Junior University	07-31-1997	
	B9	wo	98/53057	Al	Medical Research Council	11-26-1998	<u> </u>
	B10	wo	98/53058	Al	Medical Research Council	11-26-1998	
	B10	wo	98/53059	Al	Medical Research Council	11-26-1998	1
	B12	wo	98/53060	Al	Medical Research Council	11-26-1998	
		wo	98/54311	Al	The Scripps Research Institute	12-03-1998	ļ
	B13	wo	99/35494	Al	Cubist Pharmaceuticals, Inc.	07-15-1999	
	B14 B15	wo	99/36553	A2	Ariad Gene Therapeutics, Inc.	07-22-1999	<u> </u>
		WO	99/41371	Al	Strata Biosciences Incorporated	08-19-1999	<u> </u>
	B16 B17	wo	99/42474	A2	Genome Dynamics, Inc.	08-26-1999	
		WO WO	99/45132	Al	Massachusetts Institute of Technology	09-10-1999	
	B18	wo	99/47656	A2	Medical Research Council	09-23-1999	
	B19	wo	99/48909	A2	Carl Pabo	09-30-1999	
	B20	WO	00/23464	A2	The Scripps Research Institute	04-27-2000	
	B21	wo	00/27878	Al	Gendaq Limited	05-18-2000	
	B22	WO	00/2/8/8	Al	Sanagamo BioSciences, Inc.	07-20-2000	
	B23	WO	00/41300	741			-
	+	+					
							\perp
		+	 				
		+ -					-
		+					+-
							+

1	Eveniner	Date	1	
	Examiner	Considered	1	
	Signature	Considered		 1 is the if a time and formance

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

SIP	E	Hease type a plus sign (+) inside this box →	
		c egjease type a plus sign (+) hiside this box	لـــــا

OCT 0 9 2003

Sheet

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) of 15

	Complete if Knowy	
Application Number	09/925,796	, 1
Filing Date	August 9, 2001	
First Named Inventor	CASE	Ma Con
Group Art Unit	1631	
Examiner Name	J. BRUSCA	1600
Attorney Docket Number	8325-0007.01 (S7-US2)	200

	,	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	T ²
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	C1	Agarwal et al., Biochemistry 30(31):7842-7851 (1991)	
	C2	Antao et al., Nuc. Acids, Res. 19(21):5901-5905 (1991)	
	C3	Barbas, C. F., Curr. Opin. Biotech. 4:526-530 (1993)	
	C4	Barbas et al., PNAS 88:7978-7982 (1991)	
	C5	Barbas et al., PNAS 89:4457-4461 (1992)	
	C6	Beerli et al., Proc. Natl. Acad. Sci U.S.A. 95:14628-14633 (1998)	
	C7	Beerli et al., Proc. Natl. Acad. Sci U.S.A. 97:1495-1500 (2000)	-
	C8	Bellefroid et al., EMBO J. 12(4):1363-1374 (1993)	
	C9	Berg, J.M., Cell 57:1065-1068 (1989)	-
	C10	Berg, J.M., PNAS 89:11109-11110 (1992)	
	C11	Berg, et al., Science 271:1081-1085 (1996)	

Examiner	Date
Signature	Considered
Signature	the town cooper 1' at a station if not in conformance

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number.
 Applicant is to place a check mark here if English language Translation attached.

-	- Opins
	with the second
D1	type a plus sign (+) inside this box 🗲
Piease	type a plus sign () maide mis box

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

15

OCT 0 9 2003

Sheet

Complete if Known, 9/925,796
tugust 9, 2001
ASE 09/925,796 **Application Number** August 9, 2001 Filing Date CASE First Named Inventor Group Art Unit 1631 Examiner Name J. BRUSCA 8325-0007.01 (S7-US2) Attorney Docket Number

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	T ²
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	C12	Berg, J.M., Nature Biotechnology 15:323 (1997)	
	C13	Bergqvist et al., Nuc. Acids Res. 18(9):2715-2720 (1990)	
	C14	Blaese et al., Cancer Gene Therapy 2(4):291-297 (1995)	
	C15	Caponigro et al., PNAS 95:7508-7513 (1998)	
	C16	Celenza et al. Science 233:1175-1180 (1986)	
	C17	Cheng et al. Mol. Cellular Biol. 14(6):3842-3852 (1994)	
	C18	Cheng et al., J. Mol. Biol. 251:1-8 (1995)	-
	C19	Choo et al., Nuc. Acids Res. 21(15):3341-3346 (1993)	
	C20	Choo et al., J. Mol. Biol. 273:525-532 (1997)	
	C21	Choo et al., Curr. Opin. Biotechnology 6:431-436 (1995)	
	C22	Choo, Y., Nature Struct. Biol. 5(4):264-265 (1998)	

Eugenie		Date		
Examir	1	Considered		
Signatu	it 1 1 1 1 1 in a set of the first in its in	conformance with M	IPEP 609. Dray	v line through citation if not in conformance

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² Applicant is to place a check mark here if English language Translation attached.

Je.	
Please type a plus sign (+) inside this box >	+

Complete if Known (08

| 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925,796 | 1/925 Substitute for form 1449B/PTO 09/925,796 **Application Number** August 9, 2001 Filing Date INFORMATION DISCLOSURE CASE First Named Inventor 1631 STATEMENT BY APPLICANT Group Art Unit J. BRUSCA Examiner Name (use as many sheets as necessary) 8325-0007.01 (S7-US2) Attorney Docket Number of Sheet

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Choo et al., Nature Struct. Biol. 5(4):253-255 (1998) Choo Y., Nuc. Acids. Res. 26(2):554-557 (1998) Choo et al., Curr. Opin. Struct. Biol. 7(1):117-125 (1997)	T ²
Choo et al., Nature Struct. Biol. 5(4):253-255 (1998) Choo Y., Nuc. Acids. Res. 26(2):554-557 (1998)	
Choo Y., Nuc. Acids. Res. 26(2):554-557 (1998)	
Choo et al., Curr. Opin. Struct. Biol. 7(1):117-125 (1997)	
Choo et al., Curr. Opin. Struct. Biol. 7(1):117-125 (1997)	l .
Chan et al. Proc. Natl. Acad. Sci. U.S.A. 91:11.163-11.167 (1994)	
Choo et al., 1 loc. Hall. Nedd. Self State 1	
Choo et al. Proc. Natl. Acad. Sci. USA 91:11,168-11,172 (1994)	
Choo et al., Nature 372:642-645 (1994)	
Clarke et al., Science 282:2018-2022 (1998)	
Corbi et al. FEBS Letters 417:71-74 (1997)	<u> </u>
Color et al., 1 BBS Better 1 1 1 1	
Crozatier et al., Genetics 131:905-916 (1992)	
265(10) 10100 10102 (1000)	+-
Debs et al., J. Biological Chemistry 265(18):10189-10192 (1990)	
Desjarlais et al., Proteins Structure Function, and Genetics 12(2):101-104 (1992)	
3	Choo et al. Proc. Natl. Acad. Sci. USA 91:11,168-11,172 (1994) Choo et al., Nature 372:642-645 (1994) Clarke et al., Science 282:2018-2022 (1998) Corbi et al., FEBS Letters 417:71-74 (1997) Crozatier et al., Genetics 131:905-916 (1992) Debs et al., J. Biological Chemistry 265(18):10189-10192 (1990)

			-
1	E inst	Date	
	Examiner	Considered	
	Signature	AMPER 600. Draw line through citation if not in conform	ance

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² Applicant is to place a check mark here if English language Translation attached.

THE	
Please type a plus sign (+) inside this box	+

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) of 15

PARTIE STORY Complete if Known 09/925,796 Application Number August 9, 2001 Filing Date CASE First Named Inventor Group Art Unit 1631 J. BRUSCA Examiner Name 8325-0007.01 (S7-US2) Attorney Docket Number

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	T ²
Examiner	Cite	to be a such as the such as (in CARITAL LETTERS) title of the article (when appropriate), title of the item (book,	1-
Initials*	No.1	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	ļ
	C34	Desjarlais et al., Proteins Structure Function, and Genetics 13(3):272 (1992)	
		20 70 40 (1002)	
	C35	Desjarlais et al. Proc. Natl. Acad. Sci. USA 89:7345-7349 (1992)	
	C36	Desjarlais et al. Proc. Natl. Acad. Sci. USA 90:2256-2260 (1993)	
	C37	Desjarlais et al. Proc. Natl. Acad. Sci. USA 91:11,099-11,103 (1994)	
	037	Designation of all Process and	
	C38	Dibello et al., Genetics 129:385-397 (1991)	
	C39	Donze et al. Blood 88:4051-4057 (1996)	
	C40	Elrod-Erickson et al., Structure 6(4):451-464 (1998)	
	C41	Elrod-Erickson et al., Structure 4(10):1171-1180 (1996)	
	C42	Fairall et al., Nature 366:483-487 (1993)	
	C43	Frankel et al., Cell 53:675 (1988)	
	C44	Friesen et al., J. Biological Chem. 272(17):10994-10997 (1997)	

ı	Evaminar	Date
1	Examiner	Considered
	Signature	AMPER COO. Draw line through citation if not in conformance

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² Applicant is to place a check mark here if English language Translation attached.

61	PEN	léase type a plus sign (+) inside this box →	+
OCT	0 9 2003	3	

Ž.						
					Complete if Known	OCT V
Sub	stitute for form 14	49B/PTC)	Application Number	09/925,796	150. 2
				Filing Date	August 9, 2001	TOY CAN TOO T
INFORMATION DISCLOSURE			SCLOSURE	First Named Inventor	CASE	05/1/7~ °3
CT.	ATEMENT	RV A	PPLICANT	Group Art Unit	1631	"ICR to
31	AILIVIEIVI	D1 /1	I I BIOLICI	Examiner Name	J. BRUSCA	100° - 2
	(use as many s	sheets as	necessary)			
heet	7	of	15	Attorney Docket Number	8325-0007.01 (S7-US2)	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	T ²
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	-
	C45	Friesen et al., Nature Structural Biology 5(7):543-546 (1998)	
	C46	Gogos et al., PNAS 93(5):2159-2164 (1996)	
	C47	Gossen et al., PNAS 89:5547-5551 (1992)	
	C48	Greisman & Pabo, Science 275:657-661 (1997)	
	C49	Hamilton et al., Nuc. Acids. Res. 23(2):277-284 (1995)	
	C50	Hamilton et al., Biochemistry 37:2051-2058 (1998)	
	C51	Hanas at al., Nuc. Acids Res. 17(23):9861-9870 (1989)	
	C52	Hayes et al., Biochemistry 31:11600-11605 (1992)	
	C53	Heinzel et al., Nature 387:43-48 (1997)	
	C54	Hirst et al., PNAS 89:5527-5531 (1992)	
	C55	Hoffman et al., Protein Science 2:951-965 (1993)	

-	Examiner	Date
	Signature	Considered
- 1	Signature	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number.
 Applicant is to place a check mark here if English language Translation attached.

OCT 0 9 2003

Complete if Known Substitute for form 1449B/PTO 09/925,796 Application Number August 9, 2001 Filing Date INFORMATION DISCLOSURE CASE First Named Inventor STATEMENT BY APPLICANT Group Art Unit 1631 J. BRUSCA Examiner Name (use as many sheets as necessary) 8325-0007.01 (S7-US2) Attorney Docket Number of 15 8 Sheet

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C56	Holstege et al. Proc. Natl. Acad. Sci. USA 96:2-4 (1999)	
	C57	Imhof et al., Molecular and Cellular Biology 19(1):194-204 (1999)	
	C58	Isalan et al. Proc. Natl. Acad. Sci. USA 94(11):5617-5621 (1997)	
	C59	Isalan et al. Biochemistry 37:12,026-12,033 (1998)	
	C60	Jacobs EMBO J. 11(12):4507-4517 (1992)	
	C61	Jamieson et al. Biochemistry 33:5689-5695 (1994)	
	C62	Jamieson et al. Proc. Natl. Acad. Sci. USA 93:12,834-12,839 (1996)	
	C63	Julian et al. FEBS Letters 331(1,2):43-48 (1993)	
	C64	Kamiuchi et al. Nucleic Acids Symposium Series 37:153-154 (1997)	
	C65	Kang et al. J. Biol. Chem. 275(12):8742-8748 (2000)	
	C66	Kim et al. J. Mol. Biol. 252:1-5 (1995)	

1	Examiner	Date
	l	Considered
	Signature	11 MPTP (00 P Line through eitetion if not in conformance

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →	+

9 2003						
Ċ.	-				Complete if Known	OCT
Subst	titute for form 14	149B/PT0)	Application Number	09/925,796	7 2003
•				Filing Date	August 9, 2001	CU 2- 2003
INF	FORMATION	ON DI	SCLOSURE	First Named Inventor	CASE	UT CENTER
STATEMENT BY APPLICANT			PPLICANT	Group Art Unit	1631	-11/EH 1600/04
1	(use as many :			Examiner Name	J. BRUSCA	.000/2900
Sheet	9	of	15	Attorney Docket Number	8325-0007.01 (S7-US2)	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	T T ²
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	1-
	C67	Kim et al. Gene 203:43-49 (1997)	
	C68	Kim et al. Nature Structural Biology 3(11):940-945 (1996)	
	C69	Kim et al. Proc. Natl. Acad. Sci. USA 93:1156-1160 (1996)	
	C70	Kim et al. J. Biol. Chem. 272:29,795-29,800 (1997)	
	C71	Kim et al. Proc. Natl. Acad. Sci. USA 94:3616-3620 (1997)	
	C72	Kim et al. Proc. Natl. Acad. Sci. USA 95:2812-2817 (1998)	
	C73	King et al. Dict. Genetics. 5th ed., p.136 (1997)	
	C74	Kinzler et al. Nature 332:371-374 (1988)	
·	C75	Klug Annals NY Academy of Sciences 758:143-160 (1995)	-
	C76	Klug et al. FASEB Journal 9:597-604 (1995)	
	C77	Klug J. Mol. Biol. 293:215-218 (1999)	

Г	Examiner	Date
1	Signature	Considered
	Digitature	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number.
 Applicant is to place a check mark here if English language Translation attached.

U.F.	
Please type a plus sign (+) inside this box →	+

	HEGE/1840)
Complete if Known	OCT ,
925,796	2002
gust 9, 2001	IECH OF
SE	TOTTUENTED
31	1600/00

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) 15 of Sheet 10

Substitute for form 1449B/PTO

Filing Date August 9, 2001 CASE First Named Inventor 1631 Group Art Unit \UU/2700 Examiner Name J. BRUSCA 8325-0007.01 (S7-US2) Attorney Docket Number

09/925,796

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	[m2
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C78	Kothekar FEBS Letters 274(1,2):217-222 (1990)	
	C79	Kriwacki et al. Proc. Natl. Acad. Sci. USA 89:9759-9763 (1992)	
	C80	Kulda et al. EMBO Journal 9(5):1355-1364 (1990)	
	C81	Laird-Offringa et al. Nature Structural Biology 5(8):665-668 (1998)	
	C82	Liu et al. Proc. Natl. Acad. Sci. USA 93(21):11,831-11,836 (1996)	
	C83	Liu et al. Proc. Natl. Acad. Sci. USA 94:5525-5530 (1997)	
	C84	Mandel-Gutfreund et al. Nucleic Acids Res. 26(10):2306-2312 (1998)	
	C85	Margolin et al. Proc. Natl. Acad. Sci. USA 91:4509-4513 (1994)	
	C86	Mizushima et al. Nucleic Acids Res. 18(17):5322 (1990)	
	C87	Nakagama et al. Mol. Cell. Biol. 15(3):1489-1498 (1995)	-
	C88	Nardelli et al. Nature 349:175-178 (1991)	

Application Number

Examiner	Date	
Signature	Considered	
Bigitatare	the state of the same of the s	th citation if not in conformance

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number.
 Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box >	+
Substitute for form 1449B/PTO	

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

		PECE PTO/SB/08A (08-00)
	Complete if Know	vn LIVED
Application Number	09/925,796	OCT
Filing Date	August 9, 2001	17 200
First Named Inventor	CASE Tre	2003
Group Art Unit	1631	HCENT
Examiner Name	J. BRUSCA	1600/2000
Attornay Dookst Number	8325-0007 01 (\$7-11\$2)	76000

8325-0007.01 (S7-US2) Attorney Docket Number 11 of 15 Sheet OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, Examiner Cite magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country Initials* No.1 where published. Nardelli et al. Nucleic Acids Res. 20(16):4137-4144 (1992) C89 Nekludova et al. Proc. Natl. Acad. Sci. USA 91:6948-6952 (1994) C90 Orkin et al. Report & recommendations of the panel to assess . . .gene therapy (1995) C91 Pabo et al. J. Biomolecular Struct. Dynamics 1:1039-1049 (1983) C92 Pabo et al. Ann. Rev. Biochem. 53:293-321 (1984) C93 Pabo Ann. Rev. Biochem. 61:1053-1095 (1992) C94 Pavletich et al. Science 252:809-817 (1991) Pavletich et al. Science 261:1701-1707 (1993) Pengue et al. Nucleic Acids Res. 22(15):2908-2914 (1994) C97 Pengue et al. J. Virology 69(10):6577-6580 (1995) C98 Pengue et al. Proc. Natl. Acad. Sci. USA 93:1015-1020 (1996) C99

ĺ	Examiner	Date	
	Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² Applicant is to place a check mark here if English language Translation attached.

Ó	1	تا	E	_
			Please type a plus sign (+) inside this box >	+
		_	(2)	

PEC	E77-992-
OCT -	424
	7 200

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) 12 of 15 Sheet

Complete if Known 09/925,796 Application Number TECH CENTER 100 Filing Date August 9, 2001 First Named Inventor CASE Group Art Unit 1631 J. BRUSCA Examiner Name 8325-0007.01 (S7-US2) Attorney Docket Number

Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, T							
Initials*	No.1	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	C100	Pomerantz et al. Proc. Natl. Acad. Sci. USA 92:9752-9756 (1995)					
	C101	Pomerantz et al. Science 267:93-96 (1995)					
	C102	Pomerantz et al. Biochemistry 37(4):965-970 (1998)					
	C103	Qian et al. Biochemistry 31:7463-7476 (1992)					
	C104	Quigley et al. Mol. Endocrinology 6(7):1103-1112 (1992)					
	C105	Rauscher et al. Science 250:1259-1262 (1990)					
<u></u> .	C106	Ray et al. Proc. Natl. Acad. Sci. USA 88:7086-7090 (1991)					
	C107	Rebar et al. Science 263:671-673 (1994)					
	C108	Rebar et al. Meth. Enzymology 267:129-149 (1996)					
	C109	Reith et al. Proc. Natl. Acad. Sci. USA 86:4200-4204 (1989)					
	C110	Rhodes et al. Scientific American 268:56-65 (1993)					

Examiner	Date	1	
Signature	Considered		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number.
 Applicant is to place a check mark here if English language Translation attached.

OLPEVE	
Please type a plus sign (+) inside this box	+
OCT 0 9 2003 ja	_

13

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

of 15

		RECEIVED
	Complete if Known	00-
Application Number	09/925,796	001 1 7 2000
Filing Date	August 9, 2001	- 2003
First Named Inventor	CASE	TECHOP
Group Art Unit	1631	LOT UENTER 1000
Examiner Name	J. BRUSCA	1.211 1000/290
Attorney Docket Number	8325-0007.01 (S7-US2)	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C111	Rice et al. Science 270:1194-1197 (1995)	:
	C112	Rivera et al. Nature Medicine 2(9):1028-1032 (1996)	
<u></u>	C113	Rollins et al. Mol. Cell. Biol. 13(8):4776-4783 (1993)	
· · · · · · ·	C114	Saleh et al. Am. J. Human Genetics 52:192-203 (1993)	
	C115	Shi et al. Science 268:282-284 (1995)	
	C116	Shi et al. Chem. & Biol. 2(2):83-89 (1995)	
-	C117	Shi et al. Biochemistry 35:3845-3848 (1996)	
	C118	Singh et al. Cell 52:415-423 (1988)	
	C119	Skerka et al. Immunobiology 198:179-191 (1997)	
	C120	South et al. Biochemistry 29:7786-7789 (1990)	
	C121	Spengler et al. EMBO J. 16(10):2814-2825 (1997)	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number.
 Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box > +

OCT 1 7 2003
TECH CENTERTO(SB/08A (08-00)

					100./4
				Complete if Known	
tute for form 144	19B/PTC)	Application Number	09/925,796	
			Filing Date	August 9, 2001	
ORMATIC	N DI	SCLOSURE	First Named Inventor	CASE	
TEMENT	BY A	PPLICANT	Group Art Unit	1631	
			Examiner Name	J. BRUSCA	
(use as many sheets as necessary)					
14	of	15	Attorney Docket Number	8325-0007.01 (S7-US2)	
	ORMATIC TEMENT use as many sh	ORMATION DI TEMENT BY A	ORMATION DISCLOSURE TEMENT BY APPLICANT use as many sheets as necessary) 14 of 15	ORMATION DISCLOSURE TEMENT BY APPLICANT use as many sheets as necessary) Filing Date First Named Inventor Group Art Unit Examiner Name	Application Number 09/925,796 Filing Date August 9, 2001 First Named Inventor CASE TEMENT BY APPLICANT Use as many sheets as necessary) Application Number 09/925,796 Filing Date August 9, 2001 First Named Inventor CASE Group Art Unit 1631 Examiner Name J. BRUSCA

Examiner	Cite	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book,	T ²
Examiner Initials*	No.1	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	<u>'</u>
	C122	Suzuki et al. Nucleic Acids Res. 22(16):3397-3405 (1994)	
	C123	Suzuki et al. Proc. Natl. Acad. Sci. USA 91:12,357-12,361 (1994)	
	C124	Swirnoff et al. Mol. Cell. Biol. 15(4):2275-2287 (1995)	
	C125	Taylor et al. Biochemistry 34:3222-3230 (1995)	
	C126	Thiesen et al. FEBS Letters 283(1):23-26 (1991)	
	C127	Thiesen et al. Biochem. Biophys. Res. Comm. 175(1):333-338 (1991)	
	C128	Thukral et al. Mol. Cell. Biol. 9(6):2360-2369 (1989)	
	C129	Thukral et al. Mol. Cell. Biol. 11(3):1566-1577 (1991)	
	C130	Thukral et al. Proc. Natl. Acad. Sci. USA 88:9188-9192 (1991)	
	C131	Thukral et al. Mol. Cell. Biol. 12(6): 2784-2792 (1992)	
	C132	Vortkamp et al. DNA Cell. Biol. 14(7):629-634 (1995)	

	Examiner Signature		Date Considered				
•	*EXAMINER:	Initial if reference considered, whether or not citation is in c	onformance with M	IPEP 609.	. Draw line through ci	tation if not in conforma	nce

¹ Unique citation designation number.

and not considered. Include copy of this form with next communication to applicant.

² Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box >

OCT 1 7 2003
TECH CENTER 1600/00 a (08-00)

OCT 0 9	2003					OENTER 1600	200
۶. ۱	. بالمر المراجع المراجع					Complete if Known	-3U()
& TRANSE	Substitute for form 1449B/PTO				Application Number	09/925,796	
Section .					Filing Date	August 9, 2001	
	INFORMATION DISCLOSURE				First Named Inventor	CASE	
				PPLICANT	Group Art Unit	1631	
	31.	AIEMEN		H I BIOLINA	Examiner Name	J. BRUSCA	
	(use as many sheets as necessary)						
	Sheet	15	of	15	Attorney Docket Number	8325-0007.01 (S7-US2)	
	511001						

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	T^2		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	C133	Wang et al. Proc. Natl. Acad. Sci. USA 96:9568-9573 (1999)			
	C134	Webster et al. Proc. Natl. Acad. Sci. USA 88:9989-9993 (1991)			
	C135	Whyatt et al. EMBO Journal 12(13):4993-5005 (1993)			
	C136	Wilson et al. J. Biol. Chem. 267(6):3718-3724 (1992)			
	C137	Witzgall et al. Proc. Natl. Acad. Sci. USA 91:4514-4518 (1994)			
	C138	Wolfe et al. J. Mol. Biol. 285:1917-1934 (1999)			
	C139	Wright et al. Science 248:588-591 (1990)			
	C140	Wu et al. Proc. Natl. Acad. Sci. USA 92:344-348 (1995)			
	C141	Wu et al. J. Virol. 70(10):7132-7142 (1996)			
	C142	Yang et al. J. Immunol. Methods 183:175-182 (1995)			
	C143	Yu et al. Proc. Natl. Acad. Sci. USA 90:6340-6344 (1993)			

		_
Examiner	Date Considered	
 Signature	testion is in conformance with MPEP 609. Draw line through citation if not in conformance	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² Applicant is to place a check mark here if English language Translation attached.